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TITLE: Diurnal breathing loss control canister  
module system and constructing  
method thereof

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ABSTRACTED-PUB-NO: KR2002012826A

BASIC-ABSTRACT: NOVELTY - A constructing method of  
a DBL(Diurnal Breathing  
Loss) control canister module system is provided to  
cut down expenses and  
improve fuel efficiency by regulating DBL and  
preventing evaporative gas of  
fuel corresponding to exhaust gas regulation.

DETAILED DESCRIPTION - Hydrocarbon is discharged through a large canister(1), and collected to a DBL control canister(2). Activated carbon is filled in the DBL control canister with the volume of 250-1000CC.

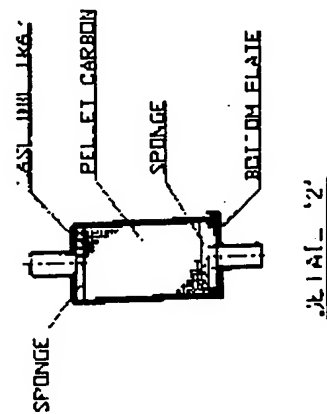
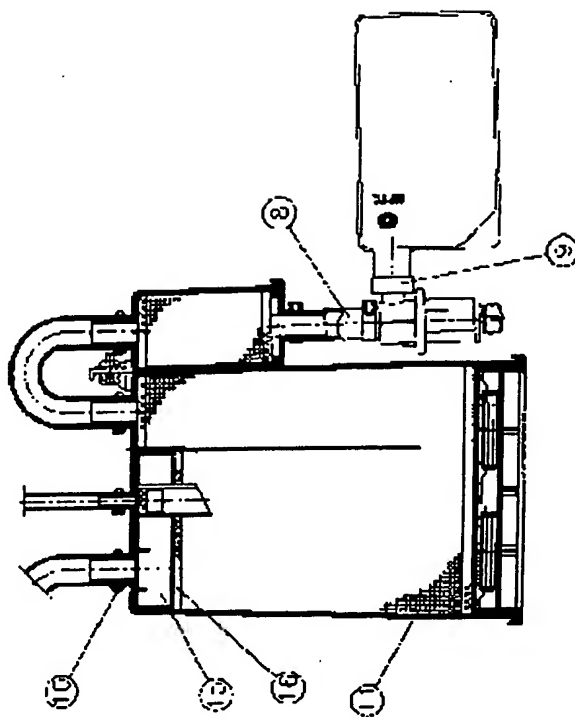
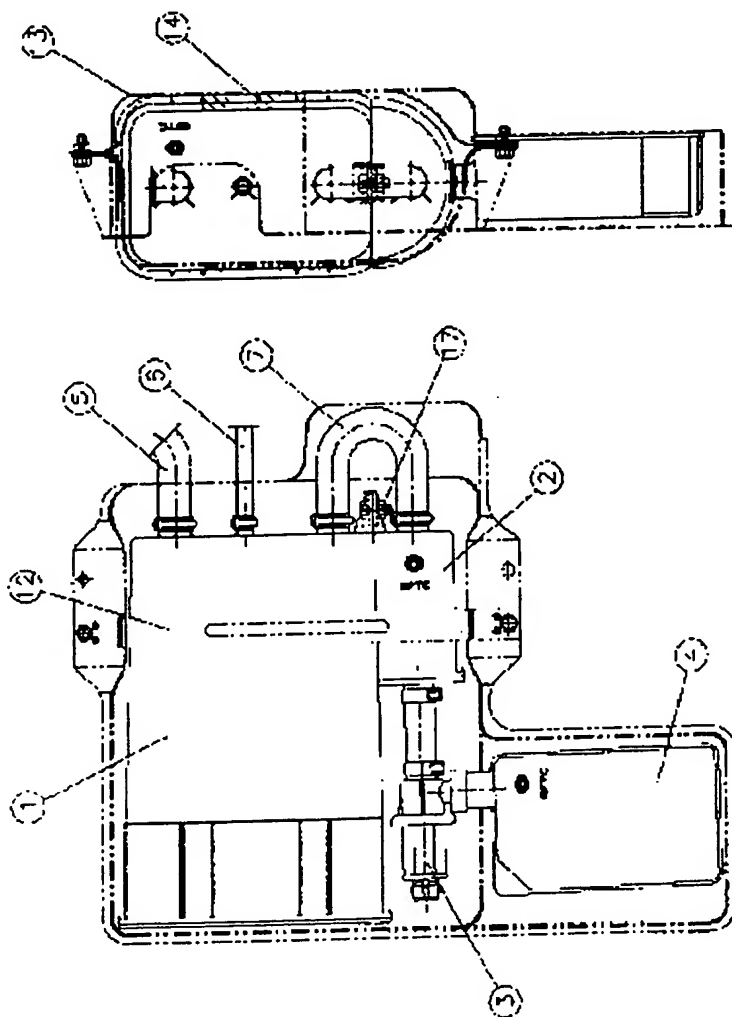
A canister close valve(3) is connected between the DBL control canister and an air filter(4) to detect leakage of gas, and air is purified with the air filter. The DBL control canister is fixed with a bolt and a nut(17), or integrally formed in the large canister to prevent from being separated against impact and vibration. Gas is evaporated with increasing temperature of fuel in a tank, and evaporative gas is adsorbed in activated carbon of the canister. Evaporative hydrocarbon is adsorbed in the activated carbon of the DBL control canister, and burned with recycling to the engine by negative pressure of the engine. Fuel efficiency is improved with regulating exhaust gas.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS:  
DIURNAL BREATH LOSS CONTROL CANISTER MODULE SYSTEM  
CONSTRUCTION METHOD

DERWENT-CLASS: Q13

QTY	NG	PART NAME	RMKS
1	3	BO-1/4UT	
1	6	SPONGE	
1	6	DIFFUSION PLATE	
2	4	PAD	
1	3	PROTECTOR	
1	2	BAND-PROTECTOR	
1	1	ACTIVATED CARBON	
1	0	CLIP	
1	9	INSERT -PACK NG	
1	8	HOSE-IDL CANI. TO CON	
1	7	HOSE-CANI. TO OBL CANISTER	
1	6	HOSE-CANI TO VACUUM	
1	5	HOSE - CANI. TO TANK	
1	4	FILTER ASS'Y - AIR	
1	3	CANISTER CLOSE VALVE	
1	2	OBL CONTROL CANISTER ...	
1	1	CANISTER	



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